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NOTICE OF ALLOWANCE AND FEE(S) DUE

20306

7590

05/03/2010

MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP 300 S. WACKER DRIVE 32ND FLOOR CHICAGO, IL 60606 EXAMINER

MALZAHN, DAVID H

ART UNIT PAPER NUMBER

2193

DATE MAILED: 05/03/2010

	APPLICATION NO.	APPLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
Ī	10/561,558	09/05/2006	In Gon Kim	05-475-B	9944	

TITLE OF INVENTION: APPARATUS FOR GENERATING CLOCK PULSES USING A DIRECT DIGITAL SYNTHESIZER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/03/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including deleted or directed of the tions.	ng the Patent, advance of herwise in Block 1, by (orders and notification a) specifying a new of	of n	naintenance fees v pondence address:	vill be ; and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 20306 7590 05/03/2010					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
					Cer	tificate	e of Mailing or Transr	nission	
MCDONNELL BOEHNEN HULBERT & BERGHOFF LI 300 S. WACKER DRIVE 32ND FLOOR				I hereby certify that this Fee(s) Transmittal is being deposited with t States Postal Service with sufficient postage for first class mail in an addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO (571) 273-2885, on the date indicated belo				deposited with the United class mail in an envelope above, or being facsimile tte indicated below.	
CHICAGO, IL 6	60606			(Depositor's name					
								(Signature)	
								(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	NTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/561,558	09/05/2006	•	In Gon Kim				05-475-В	9944	
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	08/03/2010	
EXAM	IINER	ART UNIT	CLASS-SUBCLAS	UBCLASS					
MALZAHN	I, DAVID H	2193	708-271000						
1. Change of correspond CFR 1.363).	ence address or indicatio	n of "Fee Address" (37	2. For printing on the patent front page, list						
_ ′	oondence address (or Cha B/122) attached.	ange of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to						
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print	or typ	pe)				
PLEASE NOTE: Unl	less an assignee is ident	ified below, no assignee	data will appear on	the pa	atent. If an assign	ee is ic	lentified below, the do	cument has been filed for	
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(II) WHILE OF TIOSE	GIVE		(b) RESIDENCE. (CITT	und STATE OR C		KI)		
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Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	up entity 🔲 Government	
4a. The following fee(s)	are submitted:	41			se first reapply a	ny prev	viously paid issue fee s	hown above)	
Issue Fee	T 11 12	20. 15	A check is enclosed.						
	No small entity discount p # of Copies		☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit an					iciency, or credit any	
			overpayment, to	Depo	sit Account Numb	er	(enclose ar	extra copy of this form).	
5. Change in Entity Sta	n tus (from status indicated as SMALL ENTITY statu	· · · · · · · · · · · · · · · · · · ·	☐ b Applicant is n	o long	oer claiming SMA	II EN'	ГІТҮ status. See 37 СР	$\mathbb{R} 1 27(\sigma)(2)$	
NOTE: The Issue Fee an	d Publication Fee (if rea	uired) will not be accepte	ed from anyone other t		-			e assignee or other party in	
interest as shown by the	records of the United Sta	ites Patent and Trademark	c Office.						
Authorized Signature					Date				
Typed or printed name					Registration N	No			
This collection of inform	nation is required by 37 C	CFR 1.311. The information	on is required to obtai	in or r	etain a benefit by t	he publ	lic which is to file (and	by the USPTO to process)	
an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 dapplication form to the ions for reducing this bu. Firginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR	1.14. This collection depending upon the Chief Information (COMPLETED FORM	is est indiv Office AS TC	imated to take 12 idual case. Any cor, U.S. Patent and THIS ADDRESS	minutes omment Traden S. SENI	s to complete, including s on the amount of tin nark Office, U.S. Depa D TO: Commissioner f	g gathering, preparing, and he you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,	

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10/561,558	10/561,558 09/05/2006 In Gon Kim			9944	
20306 75	90 05/03/2010		EXAM	INER	
MCDONNELL H	BOEHNEN HULBEI	MALZAHN, DAVID H			
300 S. WACKER I	DRIVE	ART UNIT	PAPER NUMBER		
32ND FLOOR CHICAGO. IL 606	506		2193		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 910 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 910 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	10/561,558	KIM IN GON	KIM, IN GON				
Notice of Allowability	Examiner	Art Unit					
	DAVID H. MALZAHN	V 2193					
	DAVID H. WALZAHI	N 2193					
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOS or other appropriate of GHTS. This application	SED in this application. If not include ommunication will be mailed in due	led course. THIS				
1. This communication is responsive to							
2. The allowed claim(s) is/are <u>1-4</u> .							
3. ☑ Acknowledgment is made of a claim for foreign priority ur a) ☑ All b) ☐ Some* c) ☐ None of the:		a)-(d) or (f).					
1. Certified copies of the priority documents have		lingtion No.					
2. Certified copies of the priority documents have			ation from the				
 Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). 	cuments have been re	ceived in this national stage applica	ation from the				
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.							
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.							
5. X CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing F	Review (PTO-948) attached					
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	(b) ☑ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			e back) of				
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT			Note the				
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 ☐ Notice	e of Informal Patent Application					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		iew Summary (PTO-413),					
3. ☐ Information Disclosure Statements (PTO/SB/08),	Pape	er No./Mail Date iner's Amendment/Comment					
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	_		owence				
of Biological Material	e.	iner's Statement of Reasons for All .	owance				
/David H. Malzahn/		_					
Primary Examiner, Art Unit 2193							

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Art Unit: 2193

EXAMINER'S COMMENT

1. Fig. 1 is required to be labeled "Prior Art", note page 2, paragraph 10, of the

specification.

2. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DAVID H. MALZAHN whose telephone number is (571)272-

3727. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Lewis A. Bullock Jr, can be reached on 571-272-3759. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://portal.uspto.gov/external/portal. Should you have questions on access to the

Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/David H. Malzahn/

Primary Examiner, Art Unit 2193

David H. Malzahn Primary Examiner

Art Unit 2193